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Approved for use through 10/31/2002. OMB 0651-0031

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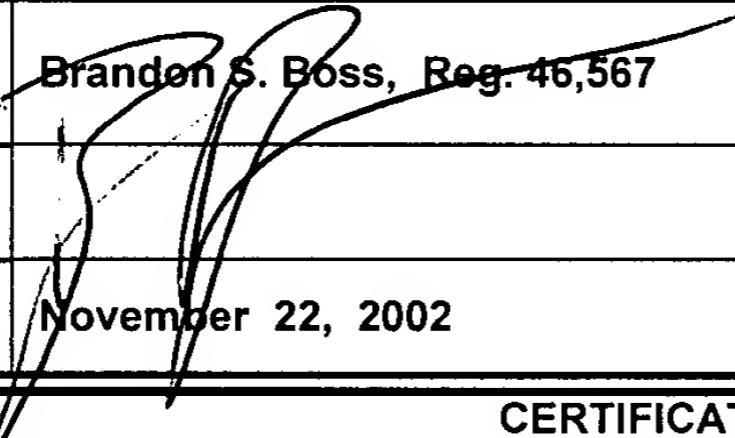
(to be used for all correspondence after initial filing)

		Application Number	09/960,412
		Filing Date	September 24, 2001
		First Named Inventor	Noboru KAGEYAMA
		Group Art Unit	2834
		Examiner Name	Mark Osborne BUDD
Total Number of Pages in This Submission	15	Attorney Docket Number	032213 . 015

ENCLOSURES (check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Assignment Papers (for an Application)	<input type="checkbox"/> After Allowance Communication to Group
<input checked="" type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input checked="" type="checkbox"/> Amendment / Response	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input checked="" type="checkbox"/> After Final	<input type="checkbox"/> Petition	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	1) Marked-up Version of Amended and New Claims
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Request for Refund	2) Clean Copy of Amended and New Claims
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> CD, Number of CD(s) _____	
<input type="checkbox"/> Response to Missing Parts/ Incomplete Application	Remarks	
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Brandon S. Boss, Reg. 46,567
Signature	
Date	November 22, 2002

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on this date:

Typed or printed name		
Signature		Date

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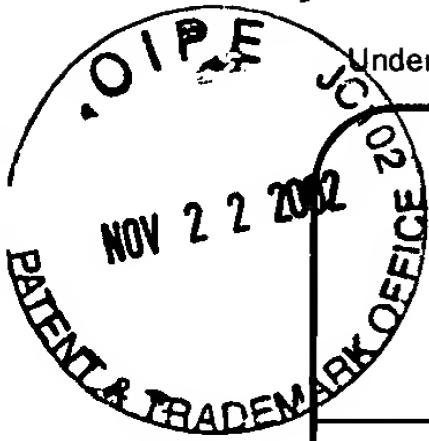
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FEE TRANSMITTAL for FY 2002

Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT **\$336.**

Complete if Known

Application Number	09/960,412
Filing Date	September 24, 2001
First Named Inventor	Noboru KAGEYAMA
Examiner Name	Mark Osborne BUDD
Group / Art Unit	2834
Attorney Docket No.	32213 . 015

METHOD OF PAYMENT (check all that apply)				FEE CALCULATION (continued)																																																																																																																															
<input checked="" type="checkbox"/> Check <input type="checkbox"/> Credit card <input type="checkbox"/> Money Order <input type="checkbox"/> Other <input type="checkbox"/> None				3. ADDITIONAL FEES <table border="1"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr><td>105</td><td>130</td><td>205</td><td>65</td></tr> <tr><td>127</td><td>50</td><td>227</td><td>25</td></tr> <tr><td>139</td><td>130</td><td>139</td><td>130</td></tr> <tr><td>147</td><td>2,520</td><td>147</td><td>2,520</td></tr> <tr><td>112</td><td>920*</td><td>112</td><td>920*</td></tr> <tr><td>113</td><td>1,840*</td><td>113</td><td>1,840*</td></tr> <tr><td>115</td><td>110</td><td>215</td><td>55</td></tr> <tr><td>116</td><td>400</td><td>216</td><td>200</td></tr> <tr><td>117</td><td>920</td><td>217</td><td>460</td></tr> <tr><td>118</td><td>1,440</td><td>218</td><td>720</td></tr> <tr><td>128</td><td>1,960</td><td>228</td><td>980</td></tr> <tr><td>119</td><td>320</td><td>219</td><td>160</td></tr> <tr><td>120</td><td>320</td><td>220</td><td>160</td></tr> <tr><td>121</td><td>280</td><td>221</td><td>140</td></tr> <tr><td>138</td><td>1,510</td><td>138</td><td>1,510</td></tr> <tr><td>140</td><td>110</td><td>240</td><td>55</td></tr> <tr><td>141</td><td>1,280</td><td>241</td><td>640</td></tr> <tr><td>142</td><td>1,280</td><td>242</td><td>640</td></tr> <tr><td>143</td><td>460</td><td>243</td><td>230</td></tr> <tr><td>144</td><td>620</td><td>244</td><td>310</td></tr> <tr><td>122</td><td>130</td><td>122</td><td>130</td></tr> <tr><td>123</td><td>50</td><td>123</td><td>50</td></tr> <tr><td>126</td><td>180</td><td>126</td><td>180</td></tr> <tr><td>581</td><td>40</td><td>581</td><td>40</td></tr> <tr><td>146</td><td>740</td><td>246</td><td>370</td></tr> <tr><td>149</td><td>740</td><td>249</td><td>370</td></tr> <tr><td>179</td><td>740</td><td>279</td><td>370</td></tr> <tr><td>169</td><td>900</td><td>169</td><td>900</td></tr> <tr><td colspan="4">Other fee (specify) _____</td></tr> </tbody> </table>				Large Entity		Small Entity		Fee Code	Fee (\$)	Fee Code	Fee (\$)	105	130	205	65	127	50	227	25	139	130	139	130	147	2,520	147	2,520	112	920*	112	920*	113	1,840*	113	1,840*	115	110	215	55	116	400	216	200	117	920	217	460	118	1,440	218	720	128	1,960	228	980	119	320	219	160	120	320	220	160	121	280	221	140	138	1,510	138	1,510	140	110	240	55	141	1,280	241	640	142	1,280	242	640	143	460	243	230	144	620	244	310	122	130	122	130	123	50	123	50	126	180	126	180	581	40	581	40	146	740	246	370	149	740	249	370	179	740	279	370	169	900	169	900	Other fee (specify) _____			
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SUBMITTED BY			Complete (if applicable)		
Name (Print/Type)	Brandon S. Boss	Registration No. Attorney/Agent	46,567	Telephone	202/263/4300
Signature				Date	November 22, 2002

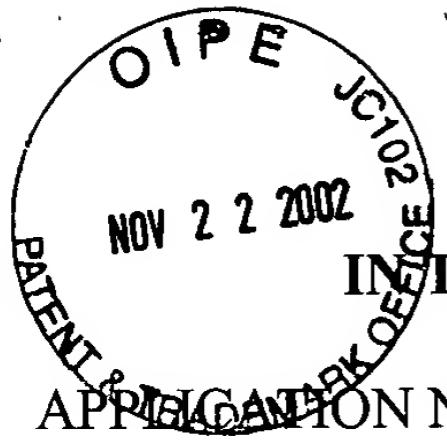
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PATENT TRADEMARK OFFICE





7/C (ATE)
App. No. 09/960,412
Docket: 032213.015
Hawkins
12/4/02

IN THE UNITED STATES PATENT IN TRADEMARK OFFICE

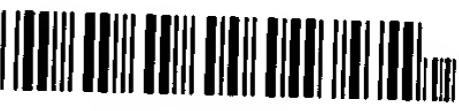
APPLICATION NO.: 09/960,412

FILING DATE: 09/24/2001

FIRST NAMED INVENTOR: Noboru Kageyama

EXAMINER: Budd, Mark Osborne

ART UNIT: 2834



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PATENT TRADEMARK OFFICE

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AMENDMENT AND RESPONSE TO FINAL OFFICE ACTION

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Commissioner for Patents
Washington, D.C. 20231

A response to the final Office Action of August 22, 2002 is being timely filed by the due date. Applicants request amendment of the application as follows.

IN THE CLAIMS

Please amend claims 1, 5, 13, 17, and 20 as shown by the enclosed marked up version of the claims. Applicants have amended independent claims 1 and 13 to clarify that the electrodes consist of solder. Claims 5, 17, and 20 have been amended to address potential 112 issues.

Please add new claims 27-33 to the application as shown by the marked up version of the claims. These claims correspond to the allowable subject matter of claims 5, 7, 8, 17, 19 and 20 as indicated in the final Office Action.

A clean version of the amended and new claims is enclosed for the Examiner's review.

Applicants have enclosed the requisite fee relating to the 4 new independent claims.

11/25/2002 SSESHE1 00000017 09960412

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